

**APPENDIX Q - REQUIRED AES EDITS**

Revised MAY 2002

*The following edits are required to be incorporation into  
software developed for AES*

**Flag for Correction:**

Any numeric field that contains an alpha character

Any alphabetic field that contains a numeric character

**Filer ID Type** field when it contains a code that is not a valid 1-character code

Valid Filer ID Type codes are: D = DUNS

E = EIN

S = SSN

**USPPI ID Type** field when it contains a code that is not a valid 1-character code

Valid USPPI ID Type codes are: D = DUNS

E = EIN

S = SSN

T = Foreign Entity

**Application Identifier** field when it contains a code that is not a valid 2-character code

Valid Application ID codes are: XP = USPPI Data Input

XT = Output from Customs

XN = Transaction Status

**Batch Control Number** field when the batch control number in the A record does not match the batch control number reported in the Z record

**Party ID Type** field when it contains a code that is not a valid 1-character code

Valid Party ID Type codes are: D = DUNS

E = EIN

S = SSN

T = Foreign Entity

X = DEC

**Party Type** field when it contains a code that is not a valid 1-character code

Valid Party Type codes are: E = Exporter (USPPI)

F = Forwarding Agent

D = DEC

C = Consignee

I = Intermediate Consignee

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Related Company Indicator Code field when it contains a code that is not a valid 1-digit code. Valid Related Company Indicator codes are: 1 = Related 2 = Non-related

Mode of Transportation (MOT) field when it contains a code that is not a valid 2-digit code. If using X12 formats, this field could be one or two alphanumeric code.

**NOTE:** Valid MOT codes as listed in Appendix T of the AESTIR

Mode of Transportation field when it contains MOT = 70 Fixed Transport Installations (Pipeline and Powerhouse) and the first two digits of the HS or Schedule B are not 22, 25, 27, 28, 29, 44, or 47.

If the first two digits of the HS or Schedule B are anything other than those listed, you would not be able to use MOT code =70, since it would be an "Improbable Commodity For Fixed Transportation"

Country of Ultimate Destination field when it contains a code that is not a valid 2-character International Standards Organization (ISO) country code  
Valid ISO codes are listed in Appendix C of the AESTIR

State/Province Code field when it contains a code that is not a valid standard USPS abbreviation for the states, territories and possessions of the US where the USPPI, forwarder or DEC resides.

**NOTE:** When the USPPI is identified as a foreign entity, report his/her temporary residence in the United States at the time of export.

Report Mexican state codes for consignees residing in Mexico.

(Valid Mexican state codes are displayed with the N03 record.)

SCAC/IATA (Carrier Code) field when it contains a code that is not a valid 4-character Standard Carrier Alpha Code (SCAC) identifying the exporting carrier for vessel, rail or truck shipments **or** it is not a valid 2-character or 3-character International Air Transport Association (IATA) code identifying exporting carrier for air shipments

**NOTE:** IATA codes \*F or 99F (unknown foreign)

\*C or 99C(unknown Canadian)

\*U or 99U(unknown US) will be accepted for air shipments

\*\* or 99O(flyaway aircraft, HS begins with '8802')

SCAC code \*M or 99M (unknown Mexican) will be accepted for Mexican trucking companies

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**Correction Flag** field on the SC1 record when it contains a code that is not a valid 1-character code. This flag is often referred to as the Header correction or the Shipment correction, which indicates the action AES is to perform on the shipment.

Valid Correction Flag codes for Option 2, Post-departure Option 3 and Option 4 filings are:

Blank or A = ADD (default)

C = Change

D = Delete

Valid Correction Flag codes for *pre-departure Option 3 only*:

*P = ADD*

*Q = Change*

*R = Delete*

**Conveyance Name** field when it contains an unacceptable name for the conveyance

Report the name of the vessel for MOT 10, 11, 12;

Report the name of the carrier for MOT 20, 21 (rail); for MOT 30, 31(truck or international footbridge); or for MOT 40, 41(air)

**NOTE:** Rail, Truck, Airplane, Footbridge are NOT valid conveyance names. Edits should prevent them from being reported here.

**Vessel Flag** field when it contains a code that is not a valid 2-character ISO country code for the country under whose flag the ship is registered.

Required only for MOT = Sea (10, 11, & 12)

Valid ISO country codes are listed in Appendix C of the AESTIR

**Port of Unlading** field when it contains a code that is not a valid 5-digit Schedule K Code and the *MOT = Sea (10, 11, & 12) ONLY* and the shipment does not involve trade between the United States and Puerto Rico.

**For sea or air shipments between the US and Puerto Rico**, use a valid 4-digit Schedule D code (left justify). See logic rules for shipments from the US to Puerto Rico or shipments from Puerto Rico to the US

Valid Schedule K foreign port codes are available from the Maritime Administration

<http://marad.dot.gov/statistics/>

**Port of Exportation** field when it contains a code that is not a valid 4-digit Schedule D Code. Report the Schedule D Code designating the port from which merchandise is last loaded for MOTs vessel and air; for land borders, report the actual border crossing port

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Valid Schedule D codes are listed in Appendix D of the AESTIR

Estimated Date of Departure/Arrival Date field when the date format is invalid or missing. The Date must be numeric and the format must be in century/year/month/day (YYYYMMDD)

The estimated Date of Departure/Arrival can not be more than 120 in the future from the current system date. (Questions: contact your Client Representative)

Hazmat Indicator field when it contains a value other than Y for yes or N for no

Filing Option Indicator field when it contains an invalid 1-position code

**NOTE:** Valid Filing Option Codes are: Blank = Option 2

3 = Option 3

4 = Option 4

Transportation Reference Number field when the MOT = 10, 11, 12 (Sea) and the booking number is missing

Export Information Code field when it contains a code that is not a valid 2-character export information code. Valid codes are listed in Appendix E of the AESTIR

Line Correction Flag field in the CL1 record when it contains a code that is not a valid 1-character code. The Line Correction flag identifies the action AES is to perform against the commodity line item.

Valid Line Correction flag codes for all filing options are:

Blank or A = ADD (default)

C = Change

D = Delete

Harmonized Schedule Code field when it contains a number that is not a valid 10-digit number in the current **Schedule B** or the **Harmonized Tariff Schedule**

**NOTE:** Only Schedule B numbers are valid for Chapter 98; do not use the Harmonized Tariff Schedule numbers for Chapter 98.

Certain valid Harmonized Tariff Schedule numbers can not be reported for exports in AES. The list of these HTS numbers is displayed on the Census web site and is available as Appendix V of the AESTIR

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Schedule numbers 0000.00.0001 - 0000.00.0009 can only be reported for merchandise returned to the US from Puerto Rico

Unit of Measure 1 or Unit of Measure 2 field if it contains a code that is not a valid Unit of Measure abbreviation as require for the commodity classification being reported.

**NOTE:** Unit of Measure reported **must** match that unit required for the Schedule B or Harmonized Tariff Schedule number reported. The Unit of Measure is included in the Schedule B and the Tariff Schedule. Appendix K of the AESTIR list the abbreviations preferred in AES.

Quantity 1 or Quantity 2 field if it contains a quantity greater than 100,000,000  
If the Unit of Measure is 'X', zero-fill this field.  
Use whole numbers with no commas.

Quantity 1/Quantity 2 relationship edit if the quantities required are net and content weights. The content weight **cannot** be greater than the net weight (Example: When content kilograms and kilograms are required by a Schedule B or HS number, the content kilograms can not be large than the kilograms reported . Therefore 20 ckg reported with 10 kg as the second quantity would be wrong. However, 10 ckg reported with 20 kg would be correct)

Value of Goods field when it contains a value of zero or a value greater than \$250,000,000, reported in US dollars. Value is reported in whole US dollars, no cents. The filer's software should prohibit unlikely values from being entered in AES. A frequent problem encountered involves a data capture of the HS/Schedule B number in the value field. Edits have been added the AES to disallow values of \$1,000,000,000 or greater for HS/Schedule B Chapter 88, and \$500,000,000 or greater for any other classification from being accepted to prevent such keying error.

Shipping Weight field when it contains a shipping weight of zero or a shipping weight greater than:  
200,000,000 kilograms for vessel;  
105,000 kilograms for air and;  
300,000,000 kilograms for truck, rail and other MOTs

Shipping Weight/Quantity relationship edit if the unit of measure required is kilograms. The quantity **cannot** be greater than the shipping weight, which is also reported in kilograms (Example: A quantity of 25 KG with a shipping weight of 18 KG would be wrong.)

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License Code field when it contains a code that is not a valid License Code.

Valid License Codes are listed in Appendix F of the AESTIR

License Code/ECCN relationship edit when the License Code requires an ECCN, verify presents of ECCN

Export Control Classification Number field when it contains a code that is not a valid ECCN as provided by the Bureau of Industry and Security (BIS phone 202-482-4255)

Foreign/Domestic Code field when it contains a value that is not a valid code

Valid codes are: D = Domestic          F = Foreign

Vehicle ID Qualifier field when it contains an invalid code

Valid Codes are: V = VIN   P = Product ID

Vehicle Title State field when it contains an invalid USPS state or territory code

Vehicle Correction Flag field when it contains an invalid code

Valid vehicle correction flags are: Blank or A = Add a vehicle

D = Delete a vehicle

C = Change a vehicle

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**Logic Rules**

The following logic rules, by mode of transportation, are recommended for incorporation into software developed for AES

**SHIPMENTS TO FOREIGN COUNTRIES:****By VESSEL**

MOT Code	Transportation Reference Number	SCAC /IATA	Conveyance Name	Vessel Flag Optional	Port of Export	Port of Unlading	Shipping Weight
10 = Sea (For X12 VE= Vessel, Ocean)	Booking number	valid SCAC code	Name of Ship *	ISO of country where ship registry	valid Sch D vessel port	valid 5-digit Schedule K foreign port code	gross shipping weight in kilograms
11 = Sea Container (For X12 O= Container Ocean)	"	"	"	"	"	"	"
12 =Barge (For X12 B =Barge)	"	"	BARGE	(NR)	"	"	"
<p>Notes: <b>SCAC</b> - Standard Carrier Alpha Code    * <b>VESSEL</b>= is not a valid Conveyance Name  <b>ISO</b> - International Standards Organization (see Appendix C)  <b>Schedule D</b>, U.S. Customs Port of Exportation (see Appendix D)  <b>Schedule K</b>, Foreign Port of Unlading          (see MarAD website: <a href="http://marad.dot.gov/statistics">http://marad.dot.gov/statistics</a>)</p> <p>(NR) - Not Required    ( " ) - Same Requirement as MOT Above</p>							

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**SHIPMENTS TO FOREIGN COUNTRIES****By RAIL**

MOT Code	Transportation Reference Number	SCAC/IATA	Conveyance Name	Equipment Number	Port of Export	Port of Unlading	Shipping Weight
20 = Rail (For X12 R = Rail)	(NR)	valid SCAC code	Name of Exporting Carrier *	optional	valid Sch D land border port	(NR)	gross shipping weight in kilograms
21 = Rail Container (For X12 TT = Rail Container)	(NR)	"	"	container number	"	(NR)	"
<p>Notes: <b>SCAC</b> - Standard Carrier Alpha Code                      * <b>RAIL</b> is not a valid conveyance name  <b>Schedule D</b>, U.S. Customs Port of Exportation (see Appendix D)  <u><b>Valid LAND BORDER Ports include:</b></u>  a) To or Through Canada - port codes that begin with 01, 02, 07, 09, 30, 31, 33, 34, 36, 38  b) To or Through Mexico - port codes that begin with 23, 24, 25, 26</p> <p>(NR) - Not Required      ( " ) - Same Requirement as Above</p>							



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**SHIPMENTS TO FOREIGN COUNTRIES:****By TRUCK**

MOT Code	Transport Reference Number	SCAC /IATA	Conveyance Name	Equipment number	Port of Export	Port of Unlading	Shipping Weight
30 = Truck (For X12 J = Motor)	(NR)	valid SCAC code	Name of Exporting Carrier *	optional	valid Sch D land border port	(NR)	gross shipping weight in kilograms
31 = Truck Container (For X12 MP = Truck Container)	(NR)	"	"	container number	"	(NR)	"
<p>Notes: <b>SCAC</b> - Standard Carrier Alpha Code    * <b>TRUCK or INTERNATIONAL FOOTBRIDGE</b> is not a valid conveyance name</p> <p><b>Schedule D</b> U.S. Customs Port of Exportation (see Appendix D)</p> <p><b><u>Valid LAND BORDER Ports include:</u></b></p> <p>a) To or Through Canada - port codes that begin with 01, 02, 07, 09, 30, 31, 33, 34, 36, 38</p> <p>b) To or Through Mexico - port codes that begin with 23, 24, 25, 26</p> <p>(NR) - Not Required                      ( ") - Same Requirement as Above</p>							

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**SHIPMENTS TO FOREIGN COUNTRIES:****By AIR**

MOT Code	Transport Reference Number	SCAC /IATA	Conveyance Name	Equipment number	Port of Export	Port of Unlading	Shipping Weight
40 = Air (For X12 A = Air)	(NR)	valid IATA code	Name of Exporting Carrier *	optional	valid Sch D air port	(NR)	gross shipping weight in kilograms
41 = Air Container (For X12 HH = Air Container)	(NR)	"	"	container number	"	(NR)	"
Notes: <b>IATA</b> - International Air Transport Association    * <b>AIR</b> is not valid conveyance name <b>(NR)</b> - Not Required    ( " ) - Same Requirement as Above							

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**SHIPMENTS TO FOREIGN COUNTRIES:****By OTHER MOTs**

MOT Code	Transport Reference Number	SCAC/IATA	Conveyance Name	Vessel Flag	Port of Export	Port of Unlading	Shipping Weight
32 = Auto (For X12 VA = Motor)	(NR)	(NR)	(NR)	(NR)	valid Sch D land border port	(NR)	<b>Zero Fill</b> Shipping Weight
33 = Pedestrian (For X12 P = Private Carrier)	(NR)	(NR)	(NR)	(NR)	"	(NR)	"
34 = Road, Other (For X12 ZZ = Road)	(NR)	(NR)	(NR)	(NR)	"	(NR)	"
50 = Mail (For X12 7 = Mail)	(NR)	(NR)	(NR)	(NR)	code 8000 or any valid Sch D port	(NR)	"
60 = Passenger Hand Carried (For X12 H = Customer pickup)	(NR)	(NR)	(NR)	(NR)	valid Sch D port	(NR)	"

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**By OTHER MOTs****Continued...**

MOT Code	Transport Reference Number	SCAC/IATA	Conveyance Name	Vessel Flag	Port of Export	Port of Unlading	Shipping Weight
70 = Fixed Transport Installation Pipeline/ Power house (For X12 PL = Pipeline)	(NR)	(NR)	(NR)	(NR)	"	(NR)	"
<p>Notes: <b>Schedule D</b> U.S. Customs Port of Exportation (see Appendix D)</p> <p><u>Valid LAND BORDER Ports include:</u></p> <p>a) To or Through Canada - port codes that begin with 01, 02, 07, 09, 30, 31, 33, 34, 36, 38</p> <p>b) To or Through Mexico - port codes that begin with 23, 24, 25, 26</p> <p>(NR) - Not Required    (") - Same Requirement as Above</p>							

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**Shipments from the US to PUERTO RICO**

Country of Ultimate Destination = PR

**Important Note:** For shipments from the US to Puerto, the *Port of Unlading Field* is used differently than for shipments to other countries

MOT Code	Transport Ref. #	SCAC /IATA	Conveyance Name	Vessel Flag	Port of Export	Port of Unlading	Shipping Weight
VESSEL 10 = Sea 11 = Sea Container  (For X12 VE; O)	Booking number	valid SCAC code	Name of Ship	ISO of country where ship registry optional	valid US Sch D vessel port	valid PR 4-digit vessel Schedule D port where goods were unladen in PR (left justify)	gross shipping weight in kilograms
AIR 40 = Air 41 = Air Container  (For X12 A; HH)	(NR)	valid IATA code	Name of Exporting Carrier	(NR)	valid Sch D air port	valid PR 4-digit air Schedule D port where goods were unladen in PR (left justify)	"
Notes: If the MOT code is not listed above, that MOT is not acceptable for this movement. <b>SCAC</b> - Standard Carrier Alpha Code <b>IATA</b> - International Air Transport Association <b>ISO</b> - International Standards Organization  (NR) - Not Required (") - Same Requirement as Above							

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**Shipments from PUERTO RICO to the US**

Country of Ultimate Destination = US

**Important Note:** For shipments where the Country of destination is the United States, the Port of Unlading Field is used differently than for shipments to other countries

MOT Code	Transport Ref #	SCAC /IATA	Conveyance Name	Vessel Flag	Port of Export	Port of Unlading	Shipping Weight
VESSEL 10 = Sea 11 = Sea Container  (For X12 VE; O)	Booking number	valid SCAC code	Name of Ship	ISO of country where ship registry  Optional	valid PR Sch D vessel port	valid US 4-digit vessel Schedule D port where goods were unladen in the US (left justify)	gross shipping weight in kilograms
AIR 40 = Air 41 = Air Container  (For X12 A; HH)	(NR)	valid IATA code	Name of Exporting Carrier	(NR)	valid PR Sch D air port	valid US 4-digit air Schedule D port where goods were unladen in the US (left justify)	"
Notes: If the MOT code is not listed above, that MOT is not acceptable for this movement. <b>SCAC</b> - Standard Carrier Alpha Code <b>IATA</b> - International Air Transport Association <b>ISO</b> - International Standards Organization <b>(NR)</b> - Not Required    ( " ) - Same Requirement as Above							

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